INTERNATIONAL SEARCH REPORT

Int al Application No Pc 1/ uK2004/000796

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G10K11/178

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7-610K-H04R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

Category °	Citation of document, with indication, where appropriate, of the relevant passages	O-to
Calegory	Challon of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 445 799 B1 (TAENZER JON C ET AL) 3 September 2002 (2002-09-03) column 3, line 41 - column 5, line 15 column 6, line 15 - line 38; figures 2,7-9	1-5
X	US 5 033 090 A (WEINRICH ET AL) 16 July 1991 (1991-07-16) column 2, lines 1-46 column 3, line 21 - line 27; figure 1	1,2
X	US 5 740 258 A (GOODWIN-JOHANSSON ET AL) 14 April 1998 (1998-04-14) column 3, line 32 - column 4, line 58 column 5, line 18 - line 30; figure 1	1,2

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search 	To later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention. "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone. "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family Date of mailing of the international search report
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Fülöp, I

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